

**CLAIMS**

1 1. A method of preventing thrombosis formation on a liquid-containing surface of a liquid  
2 delivery system, the liquid delivery system being connected to a patient for delivery of a  
3 liquid to said patient, the method comprising a regimen selected from the group consisting of:

4 A) contacting said surface with a thrombosis-preventing liquid containing  
5 taurolidine, taurultam or a mixture thereof, said thrombosis-preventing liquid  
6 further containing an anticoagulant agent; and

7 B) first contacting said surface with a solution containing a thrombosis-  
8 preventing amount of an anticoagulant agent, and thereafter contacting said  
9 surface with a solution containing taurolidine, taurultam or a mixture thereof.

1 2. The method of claim 1 wherein the solution or liquid containing taurolidine, taurultam or  
2 mixture thereof is contacted with said surface for at least about 1 hour.

1 3. The method of claim 2 wherein said solution or liquid containing taurolidine, taurultam or  
2 mixture thereof is sealed in said delivery system for a period of at least 12 hours.

1 4. The method of claim 3 wherein said solution or liquid containing taurolidine, taurultam or  
2 mixture thereof which is sealed in said delivery system, is replaced at least about daily.

1 5. The method of claim 1 wherein, when first contacting said surface with the anticoagulant  
2 solution, said surface is flushed with said anticoagulant-containing solution.

1 6. The method of claim 5 wherein the solution containing taurolidine, taurultam or a mixture  
2 thereof is contacted with said surface for at least about 1 hour.

1 7. The method of claim 6 wherein said solution containing taurolidine, taurultam or a  
2 mixture thereof is sealed in said delivery system for a period of at least about 12 hours.

1 8. The method of claim 7 wherein the solution containing taurolidine, taurultam or a mixture  
2 thereof which is sealed in said delivery system is replaced at least about daily.

1 9. The method of claim 1 wherein the anticoagulant-containing solution is contacted with  
2 said surface by injecting the anticoagulant-containing solution into said liquid delivery  
3 system and then removing said anticoagulant-containing solution from said liquid delivery  
4 system.

1 10. The method of claim 9 wherein the solution containing taurolidine, taurultam or a  
2 mixture thereof is contacted with said surface for at least about 1 hour.

1 11. The method of claim 10 wherein the solution containing taurolidine, taurultam or a  
2 mixture thereof is sealed in said delivery system for a period of at least about 12 hours.

1 12. The method of claim 11 wherein the solution containing taurolidine, taurultam or a  
2 mixture thereof which is sealed in said delivery system, is replaced at least about daily.

1 13. The method of claim 1 wherein said solution or liquid containing taurolidine, taurultam  
2 or a mixture thereof contains from about 0.5 to about 3% by weight of taurolidine, or from  
3 about 1 to about 7.5% by weight of taurultam.

1 14. The method of claim 1 wherein said anticoagulant agent is selected from the group  
2 consisting of sodium citrate, aprotinin, hirudin, desirudin, danaparoid, danaparoid-sodium,  
3 heparin, pentosan, pentosanpolysulfate-sodium, ticlopidine, clopidogrel, and mixtures  
4 thereof.

1 15. The method of claim 14 wherein said anticoagulant is present in an amount within a  
2 range of from about 0.1-10mg.

1 16. A composition for use in the method of claim 1, comprising a pharmaceutically-  
2 acceptable liquid containing taurolidine, taurultam or a mixture thereof and further including  
3 an anticoagulant agent.

1 17. The composition of claim 16 wherein said anticoagulant agent is selected from the group  
2 consisting of aprotinin, hirudin, desirudin, danaparoid, danaparoid-sodium, pentosan,  
3 pentosanpolysulfate-sodium, ticlopidine, clopidogrel, and mixtures thereof.

1 18. The composition of claim 16 wherein said anticoagulant agent is heparin.

1 19. The composition of claim 16 wherein said anticoagulant is sodium citrate.

1 20. The composition of claim 16 wherein said taurolidine is present in an amount of from  
2 about 0.5 to about 3% by weight or said taurultam is present in an amount of from about 1 to  
3 about 7.5% by weight, and said anticoagulant agent is present in an amount within a range of  
4 from about 0.01 to about 5% by weight.